INTERNATION SEARCH REPORT IB2004/001582 A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B66B5/00 B66E B66B11/02 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 B66B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, PAJ, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Category ° Citation of document, with indication, where appropriate, of the relevant passages 1 - 8, 10PATENT ABSTRACTS OF JAPAN Χ vol. 2002, no. 05, 3 May 2002 (2002-05-03) & JP 2002 020062 A (MITSUBISHI ELECTRIC CORP), 23 January 2002 (2002-01-23) 2-5,9abstract Α 11 GB 2 379 654 A (MASZLIK IMRE) 1,6-10 19 March 2003 (2003-03-19) 2-5,9page 4, lines 4-21 11 Α

| X | Furti | her documents are listed in the continuation of box C. | X | Patent family members are listed | in annex. |
|---|-------|--|---|----------------------------------|-----------|

1-11

*Special categories of cited documents:

'A' document defining the general state of the art which is not considered to be of particular relevance

'E' earlier document but published on or after the international

'T' later document published after the international date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

'X' document of particular relevance: the claimed invention

EP 1 386 876 A (MITSUBISHI ELECTRIC CORP)

4 February 2004 (2004-02-04)

abstract

- "E" earlier document but published on or after the International filling date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone which is cited to establish the publication date of another "Y" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention
- which is cited to establish the publication date of another citation or other special reason (as specified)

 "O" document referring to an oral disclosure, use, exhibition or other means

 "P" document muhished prior to the international filing date but

 "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- or document published prior to the international tiling date but in the art.

 International in the art.

 **S* document member of the same patent family

Date of the actual completion of the international search

24 January 2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentiaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.

Date of mailing of the international search report

03/02/2005

Authorized officer

Fokunschwi 11 and A

Fax: (+31-70) 340-3016 Eckenschwiller, A

INTERNATIONAL JEARCH REPORT

IB2004/001582

| C.(Continua | ion) DOCUMENTS CONSIDERED TO BE RELEVANT | 182004/ 001302 | | |
|-------------|--|-----------------------|--|--|
| Category • | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. | | |
| A | PATENT ABSTRACTS OF JAPAN vol. 1997, no. 03, 31 March 1997 (1997-03-31) & JP 08 310771 A (MITSUBISHI DENKI BILL TECHNO SERVICE KK), 26 November 1996 (1996-11-26) abstract | 1-11 | | |
| | | | | |
| | | | | |
| | | | | |
| | • | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | , | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | • | | | |
| | | | | |
| | | | | |
| | | | | |
| 1 | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

| INTERNATION | SEARCH REPORT | |
|-------------|---------------|---------------|
| | | IB2004/001582 |

| Patent document clted in search report | | Publication date | Patent family member(s) | | Publication date |
|--|---|---------------------|----------------------------|---------------------------|--------------------------|
| JP 2002020062 | Α | 23-01-2002 | NONE | | |
| GB 2379654 | Α | 19-03-2003 | NONE | | |
| EP 1386876 | A | 04-02-2004 | WO EP | 02085773 A1 1386876 A1 | 31-10-2002 04-02-2004 |
| JP 08310771 | Α | 26-11-1996 | JP | 3375455 B2 | 10-02-2003 |